Grzegorz A Czapski

List of Publications by Year
in descending order

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39 papers	1,401 citations	331259 21 h-index	344852 36 g-index
46 all docs	46 docs citations	46 times ranked	2439 citing authors

#	Article	IF	Citations
1	Inhibition of cyclin-dependent kinase 5 affects early neuroinflammatory signalling in murine model of amyloid beta toxicity. Journal of Neuroinflammation, 2018, 15, 1.	3.1	189
2	The Lipoxygenases: Their Regulation and Implication in Alzheimerâ€™s Disease. Neurochemical Research, 2016, 41, 243-257.	1.6	90
3	Poly(ADP-ribose) Polymerase-1 in Amyloid Beta Toxicity and Alzheimer's Disease. Molecular Neurobiology, 2012, 46, 78-84.	1.9	87
4	Role of nitric oxide in the brain during lipopolysaccharide-evoked systemic inflammation. Journal of Neuroscience Research, 2007, 85, 1694-1703.	1.3	66
5	Evaluation of the antioxidative properties of lipoxygenase inhibitors. Pharmacological Reports, 2012, 64, 1179-1188.	1.5	62
6	Extracellular Î±-Synuclein Leads to Microtubule Destabilization via GSK-3Î²-Dependent Tau Phosphorylation in PC12 Cells. PLoS ONE, 2014, 9, e94259.	1.1	62
7	Systemic administration of lipopolysaccharide induces molecular and morphological alterations in the hippocampus. Brain Research, 2010, 1356, 85-94.	1.1	56
8	Glutamate and GABA in Microglia-Neuron Cross-Talk in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 11677.	1.8	54
9	Cdk5 at crossroads of protein oligomerization in neurodegenerative diseases: facts and hypotheses. Journal of Neurochemistry, 2016, 136, 222-233.	2.1	53
10	Poly(ADP-Ribose) Polymerase During Reperfusion After Transient Forebrain Ischemia: Its Role in Brain Edema and Cell Death. Journal of Molecular Neuroscience, 2003, 20, 61-72.	1.1	43
11	Effect of poly(ADP-ribose) polymerase inhibitors on oxidative stress evoked hydroxyl radical level and macromolecules oxidation in cell free system of rat brain cortex. Neuroscience Letters, 2004, 356, 45-48.	1.0	42
12	P2X7 receptor-pannexin 1 interaction mediates extracellular alpha-synuclein-induced ATP release in neuroblastoma SH-SY5Y cells. Purinergic Signalling, 2017, 13, 347-361.	1.1	42
13	The Molecular Mechanism of Amyloid Î²42 Peptide Toxicity: The Role of Sphingosine Kinase-1 and Mitochondrial Sirtuins. PLoS ONE, 2015, 10, e0137193.	1.1	40
14	Extracellular Alpha-Synuclein Oligomers Induce Parkin S-Nitrosylation: Relevance to Sporadic Parkinsonâ€™s Disease Etiopathology. Molecular Neurobiology, 2019, 56, 125-140.	1.9	37
15	Alterations of Transcription of Genes Coding Anti-oxidative and Mitochondria-Related Proteins in Amyloid Î² Toxicity: Relevance to Alzheimerâ€™s Disease. Molecular Neurobiology, 2020, 57, 1374-1388.	1.9	37
16	Maternal Immune Activation Induces Neuroinflammation and Cortical Synaptic Deficits in the Adolescent Rat Offspring. International Journal of Molecular Sciences, 2020, 21, 4097.	1.8	36
17	Poly(ADP-ribose) polymerase-1 inhibition protects the brain against systemic inflammation. Neurochemistry International, 2006, 49, 751-755.	1.9	33
18	Î±â€Synuclein induced cell death in mouse hippocampal (HT22) cells is mediated by nitric oxideâ€dependent activation of caspaseâ€3. FEBS Letters, 2010, 584, 3504-3508.	1.3	32

#	Article	IF	Citations
19	Systemic administration of lipopolysaccharide impairs glutathione redox state and object recognition in male mice. The effect of PARP-1 inhibitor. , 2009, 47, 321-8.		29
20	Extracellular alphaâ€synuclein induces calpainâ€dependent overactivation of cyclinâ€dependent kinase 5 in vitro. FEBS Letters, 2013, 587, 3135-3141.	1.3	27
21	Selol, an organic selenium donor, prevents lipopolysaccharide-induced oxidative stress and inflammatory reaction in the rat brain. Neurochemistry International, 2017, 108, 66-77.	1.9	26
22	Expression and activity of PARP family members in the hippocampus during systemic inflammation: Their role in the regulation of prooxidative genes. Neurochemistry International, 2013, 62, 664-673.	1.9	25
23	Effect of N-methyl-D-aspartate (NMDA) receptor antagonists on Î±-synuclein-evoked neuronal nitric oxide synthase activation in the rat brain. Pharmacological Reports, 2009, 61, 1078-1085.	1.5	20
24	A novel mechanism of non-AÎ² component of Alzheimer's disease amyloid (NAC) neurotoxicity. Interplay between p53 protein and cyclin-dependent kinase 5 (Cdk5). Neurochemistry International, 2011, 58, 206-214.	1.9	20
25	Neurodegeneration, Mitochondrial Dysfunction, and Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-2.	1.9	20
26	Application of high-performance liquid chromatography to the investigation of free radical reactions in biological systems. TrAC - Trends in Analytical Chemistry, 2000, 19, 492-497.	5.8	19
27	Inhibition of poly(ADP-ribose) polymerase-1 alters expression of mitochondria-related genes in PC12 cells: relevance to mitochondrial homeostasis in neurodegenerative disorders. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 281-288.	1.9	19
28	Alterations of Cyclin dependent kinase 5 expression and phosphorylation in Amyloid precursor protein (APP)-transfected PC12 cells. FEBS Letters, 2011, 585, 1243-1248.	1.3	17
29	The mechanisms regulating cyclin-dependent kinase 5 in hippocampus during systemic inflammatory response: The effect on inflammatory gene expression. Neurochemistry International, 2016, 93, 103-112.	1.9	17
30	GSK-3beta and oxidative stress in aged brain. Role of poly(ADP- -ribose) polymerase-1. Folia Neuropathologica, 2007, 45, 220-9.	0.5	15
31	Original article Assessment of antioxidative activity of alkaloids from Huperzia selago and Diphasiastrum complanatum using in vitro systems. Folia Neuropathologica, 2014, 4, 394-406.	0.5	14
32	Acute Systemic Inflammatory Response Alters Transcription Profile of Genes Related to Immune Response and Ca2+ Homeostasis in Hippocampus; Relevance to Neurodegenerative Disorders. International Journal of Molecular Sciences, 2020, 21, 7838.	1.8	14
33	The Synaptic Dysregulation in Adolescent Rats Exposed to Maternal Immune Activation. Frontiers in Molecular Neuroscience, 2020, 13, 555290.	1.4	13
34	Activated neutrophils oxidize extracellular proteins of endothelial cells in culture: effect of nitric oxide donors. Biochemical Journal, 2002, 365, 897-902.	1.7	11
35	Inhibition of N-methyl-D-aspartic acid-nitric oxide synthase in rat hippocampal slices by ethanol. Journal of Biomedical Science, 2002, 9, 3-9.	2.6	10
36	Synaptic Alterations in a Transgenic Model of Tuberous Sclerosis Complex: Relevance to Autism Spectrum Disorders. International Journal of Molecular Sciences, 2021, 22, 10058.	1.8	8

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37	Inhibition of N-Methyl-D-Aspartic Acid-Nitric Oxide Synthase in Rat Hippocampal Slices by Ethanol. Journal of Biomedical Science, 2002, 9, 3-9.	2.6	6
38	Association between plasma biomarkers, CDK5 polymorphism and the risk of Alzheimer's disease. Acta Neurobiologiae Experimentalis, 2012, 72, 397-411.	0.4	6
39	Down-regulation of cyclin D2 in amyloid Î² toxicity, inflammation, and Alzheimerâ€™s disease. PLoS ONE, 2021, 16, e0259740.	1.1	4